

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made. Please refer to any attached sheets showing a marked up version of any amendments to the specification and claims.

IN THE CLAIMS

1. (Amended) A method of forwarding messages to mobile objects in a computer network, comprising steps of:

moving a first object from a current position to a new position in the computer network;

retaining an old version of the first object at the current position;

creating a forwarder object from the old version of the first object at the current position in response to establishing the first object at the new position;

placing information with respect to the new position at the forwarder [agent] object;

receiving a message at the current position destined for the first object from a second object;

routing the message through the forwarder object to the first object at the new position.

2. The method of Claim 1, further comprising steps of:

creating a reply message at the first object, the reply message including information with respect to the new position;

sending the reply message directly to the second object.

3. The method of Claim 2, further comprising steps of:
creating a subsequent message at the second object, the
subsequent message being destined for the first object;
sending the subsequent message to the first object at the
new position received in the reply message.

4. The method of Claim 3, wherein the subsequent message
is sent directly to the first object without routing through
the current position or the forwarder object.

5. The method of Claim 1, wherein the forwarder is
destroyed after routing the message to the first object.

6. The method of Claim 1, wherein the current position
and the new position are host address and port numbers
corresponding to one or more computing devices within the
computer network.

7. The method of Claim 1, wherein the forwarder object
is given a same lifespan as the first object.
